Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/22/2018 10:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125677	0	1.58	125487	1.54
Blue	F	SSC	125000	123442	-2	3.08	123753	2.87
Blue	E	FITC	23615	22809	-4	2.65	1019	10.58
Blue	D	PE	26739	26211	-2	2.21	941	9.97
Blue	B	PerCP-Cy5-5	48339	47051	-3	3.57	1353	17.11
Blue	A	PE-Cy7	45021	44196	-2	5.35	681	36.92
Red	C	APC	53064	52454	-2	2.76	3001	9.62
Red	A	APC-Cy7	57175	56310	-2	2.75	1176	11.38
Violet	B	V450	14728	14207	-4	4.65	680	9.39
Violet	A	V500	58621	57390	-3	4.51	2538	6.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19551	2.64	609	-5	N/A	N/A	Pass
Blue	F	SSC	61167	1.53	555	9	N/A	N/A	Pass
Blue	E	FITC	113	40.59	546	-2	0.0196	181	Pass
Blue	D	PE	204	31.21	537	1	0.1707	341	Pass
Blue	B	PerCP-Cy5-5	210	46.57	635	0	0.0100	130	Pass
Blue	A	PE-Cy7	72	126.30	694	1	0.0110	17	Pass
Red	C	APC	344	28.24	599	2	0.0196	52	Pass
Red	A	APC-Cy7	129	41.78	581	1	0.0053	1800	Pass
Violet	B	V450	83	43.61	461	-9	0.0471	2190	Pass
Violet	A	V500	184	25.10	488	-9	0.0156	1230	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.57	-31.02	0.98
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	17.20	14.40 - 21.60	N/A	N/A	30.84	31.34	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9558

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments